FGN/35±00

Nixon & Vanderhye P.C. (10/99) mestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

		ck applicable box(3)):	OUND BY ENZYMES THAT COVALEN		
	is attached hereto				
	was filed on		as U.S. Application Serial No.	Unassigned	(Atty Okt. No. 179-47)
Ø	was filed as PCT Interne	itional application No.	PCT/GB98/03259	an 30 October	1998
and ((if applicable to U.S. or PC	T application) was amended	1 on		
37 C below priori Priori Appl	F.R. 1.55. I hereby claim and have also identified by is claimed or, if no prior ity Foreign Application(s): Ication Number	foreign priority benefits under	tents of the above identified specification isclose information which is material to ar 35 U.S.C. 119/365 of any foreign appin for patent or inventor's certificate having date of this application: Country	the patentability of t	his application in accordance wi
9722	818.3		United Kingdom		30 October 1997
I here subje	eby-claim the benefit unde crimatter of each of the claim.	r 35 U.S.C. 120/365 of all pri	or United States and PCT international disclosed in such prior applications in ternation as defined in 37 C.F.R. 1.56 when of this application:	applications listed a	bove or below and, insofar as the first paragraph of 35 and the first paragraph of mor
Prior	U.S./PCT Application(s)				
Appli	cation Serial No.	•	Davidsonth Man. Et		Status: patented
PCT	GB98/03259		Day/Month/Year Filed		pending, abandoned
	1.4		30 October 1998		
impris	by declare that all statement, and further that these somment, or both, under Science 2	ection 1001 of Title 18 of the	United States Code and that such	I falsa state	aco di o pui listiable by luie di
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	porment, or both, under Signation or any patent issued by Arlington, VA 22201 eys thereof (of the same a Patent and Trademark Of Patent State of St	thereon. And on behalf of the 4714, telephone number (14714, telephone	the owner(s) hereof. I hereby appoint NII 703) 816-4000 (to whom all communic ectively owner's/owners' attempys to prof. I with the resulting patent: Arthur R. Criss, 31352; Richard G. Besha, 22770; Marad C. Mitchard, 29009; Duanc M. Bye 205; Mary J. Wilson, 32955; J. Scott Date; Updeep S. Gill, 37334; Michael J. Shii329; Joseph A. Rhoa, 37515. I also au	il false statements n KON & VANDERHY sations are to be di ssecute this applica swford, 25327; Lamy ark E. Nusbaum, 32 rs, 33363; Jeffry H. vidson, 33489; Alan ea, 34725; Donald I	nay jeopardize the validity of the /E.P.C., 1100 North Glebe Rd., irected), and the following tion and to transact all business / S. Nixon, 25640; Robert A. // 1348; Michael J. Keenan, 32106 Nelson, 30481; John R. Lastov. M. Kagen, 36178; Robert A. L. Jackson, 41090; Michelle N.
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	porment, or both, under Signature; and patent issued aton or any patent issued aton or any patent issued aton. Arlington, VA 22201 eys thereof (of the same a Patent and Trademark Of Signature: Signature:	thereon. And on behalf of the 4714, telephone number (14714, telephone	the owner(s) hereof. I hereby appoint NII 703) 816-4000 (to whom all communic ectively owner's/owners' attempys to prof. I with the resulting patent: Arthur R. Criss, 31352; Richard G. Besha, 22770; Marad C. Mitchard, 29009; Duanc M. Bye 205; Mary J. Wilson, 32955; J. Scott Date; Updeep S. Gill, 37334; Michael J. Shii329; Joseph A. Rhoa, 37515. I also au	il false statements in KON & VANDERHY autons are to be di osecute this applica inford, 25327; Lam ark E. Nusbaum, 32 m, 33363; Jeffry H. vidson, 33489; Alan ea, 34725; Donald I thorize Nixon & Var led from the person	nay jeopardize the validity of the YE.P.C., 1100 North Glebe Rd. irected), and the following fion and to transact all business YS. Nixon, 25640; Robert A. 1348; Michael J. Keenan, 32106 Nelson, 30461; John R. Lastov M. Kagen, 36178; Robert A. L. Jackson, 41090; Michelle N.
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	porment, or both, under Signation or any patent issued above, Arlington, VA 22201 eys thereof (of the same a Patent and Trademark Of Patent Start Star	thereon. And on behalf of the 4714, telephone number (14714, telephone	the owner(s) hereof. I hereby appoint NII (703) 816-4000 (to whom all communic ectively owner's/owners' attomays to prof. I with the resulting patent: Arthur R. Criss, 31352; Richard G. Besha, 22770; M. nard C. Mitchard, 29009; Duanc M. Bye (205; Mary J. Wilson, 32955; J. Scott Dates, Joseph A. Rhoa, 37515. I also au olely on instructions directly communicate on behalf of the owner(s).	il false statements in KON & VANDERHY authors are to be di assecute this applica invford, 25327; Larny ark E. Nusbaum, 32 rs, 33363; Jeffry H. vidson, 33489; Alan ea, 34725; Donald I thorize Nixon & Varled from the person	nay jeopardize the validity of the YE.P.C., 1100 North Glebe Rd irected), and the following fion and to transact all business Y.S. Nixon, 25640; Robert A. 1348; Michael J. Keenan, 3210i Nelson, 30481; John R. Laston M. Kagen, 36178; Robert A. L. Jackson, 41090; Michelle N.
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	comment, or both, under Signation or any patent issued as a full of the same a Patent and Trademark Of Patent Of Paten	thereon. And on behalf of the 4714, telephone number (14714, telephone number (14714, telephone number (14714, telephone number (14714, telephone number (14714) and collection of the connected therewith and commer, 30184; Robert W. Farniery C. Speconer, 27393; Leon 19366; Thomas E. Byrne, 32263; James D. Berquist, 347719828; Joseph S. Presta, 35the firm and to act and rely suctions to Nixon & Vanderhyllicities (14714) and the connected the connec	he owner(s) hereof. I hereby appoint NII 703) 816-4000 (to whom all communic ectively owner's/owners' attomeys to pro I with the resulting patent: Arthur R. Cro ris, 31352; Richard G. Besha, 22770; M nard C. Mitchard, 29008; Duanc M. Bye 205; Mary J. Wilson, 32955; J. Scott Da 6; Updeep S. Gill, 37334; Michael J. Sh i329; Joseph A. Rhoa, 37515. I also au olely on instructions directly communicate e on behalf of the owner(s).	Il false statements in KON & VANDERHY autons are to be di secute this applica inford, 25327; Lam ark E. Nusbaum, 32 ma, 33363; Jeffry H. vidson, 33489; Alan ea, 34725; Donald Il thorize Nixon & Varled from the person Date:	nay jeopardize the validity of the YE P.C., 1100 North Glebe Rd. irrected), and the following fion and to transact all business YS. Nixon, 25640; Robert A. 1348: Michael J. Keenan, 32106 Nelson, 30481; John R. Lastov M. Kagen, 36178; Robert A. Jackson, 41090; Michelle N. Iderhye to delete any attorney in assignee, attorney, firm, or English — English — (citizeriship)
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	comment, or both, under Signation or any patent issued as a full of the same a Patent and Trademark Of Patent Of Paten	thereon. And on behalf of the 4714, telephone number (14714, telephone number (14714, telephone number (14714, telephone number (14714, telephone number (14714) and collection of the connected therewith and commer, 30184; Robert W. Farniery C. Speconer, 27393; Leon 19366; Thomas E. Byrne, 32263; James D. Berquist, 347719828; Joseph S. Presta, 35the firm and to act and rely suctions to Nixon & Vanderhyllicity (14714) and the connected the connecte	he owner(s) hereof. I hereby appoint Nil 703) 816-4000 (to whom all communic ectively owner's/owners' attorneys to professional with the resulting patent: Arthur R. Crefs, 31352: Richard G. Besha, 22770; M. Byers, 31352: Also all 329; Joseph A. Rhoa, 37515. I also audiely on instructions directly communicate on behalf of the owner(s). MI 1 dge (state/country)	Il false statements in KON & VANDERHY autons are to be di secute this applica inford, 25327; Lam ark E. Nusbaum, 32 ma, 33363; Jeffry H. vidson, 33489; Alan ea, 34725; Donald Il thorize Nixon & Varled from the person Date:	nay jeopardize the validity of the YE P.C., 1100 North Glebe Rd irrected), and the following fion and to transact all business YS. Nixon, 25640; Robert A. 1348: Michael J. Keenan, 32106 Nelson, 30481; John R. Laston M. Kagen, 36178; Robert A. L. Jackson, 41090; Michaelle N. Iderhye to delete any attorney in assignee, attorney, firm, or English (citizeriship)
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	comment, or both, under Signation or any patent issued as a full of the same a Patent and Trademark Of Patent Of Paten	thereon. And on behalf of the 4714, telephone number (14714, telephone number (14714, telephone number (14714, telephone number (14714, telephone number (14714) and collection connected therewith and somer, 30184; Robert W. Farities (1582) and (1582) an	he owner(s) hereof. I hereby appoint NII 703) 816-4000 (to whom all communic ectively owner's/owners' attomeys to pri I with the resulting patent: Arthur R. Cre ris, 31352; Richard G. Besha, 22770; M nard C. Mitchard, 29009; Duanc M. Bye 205; Mary J. Wilson, 32955; J. Scott Da 6; Updeep S. Gill, 37334; Michael J. Sh 6329; Joseph A. Rhoa, 37515. I also au olely on instructions directly communicate on behalf of the owner(s). MI 1 dg e (state/country) Y	il false statements in KON & VANDERHY autons are to be di assecute this applica inford, 25327; Lam ark E. Nusbaum, 32 rs, 33363; Jeffry H. indson, 33489; Alan ea. 34725; Donald I thorize Nixon & Var ted from the person Date: Clark England r reli Way, Date:	nay jeopardize the validity of the YEP.C., 1100 North Glebe Rd irected), and the following tion and to transact all business S. Nixon, 25640; Robert A. 1348; Michael J. Keenan, 3210i Nelson, 30481; John R. Laston M. Kagen, 36178; Robert A. Lackson, 41090; Michelle N. Indernya to delete any attorney of assignee, attorney, firm, or English (citizenship) Balsham Englandist Juni 2000
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	porment, or both, under Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor: Signature: Inventor:	thereon. And on behalf of the 4714, telephone number (14714, telephone number (14714, telephone number numb	he owner(s) hereof. I hereby appoint NII 703) 816-4000 (to whom all communic ectively owner's/owners' attomeys to pro I with the resulting patent: Arthur R. Cre ris, 31352: Richard G. Besha, 22770; M rish and C. Mitchard, 29000; Duanc M. Bye 205: Mary J. Wilson, 32955; J. Scott Da 6; Updeep S. Gill, 37334; Michael J. Scott Da 6329; Joseph A. Rhoa, 37515. I also au olely on instructions directly communicate on behalf of the owner(s). MI ridge (state/country) MI ridge (state/country)	il false statements in KON & VANDERHY sations are to be di secute this applica swford, 25327; Lam ark E. Nusbaum, 32 rs, 33363; Jeffry H. vidson, 33489; Alan ea. 34725; Donald it thorize Nixon & Var ted from the person Date: Clark last) England rell Way, Date: mont	nay jeopardize the validity of the YE P.C., 1100 North Glebe Rd. (YE P.C., 1100 North Glebe Rd. irrected), and the following tion and to transact all business Y.S. Nixon, 25640; Robert A. 1348; Michael J. Keenan, 32106 Nelson, 30461; John R. Laston M. Kagen, 36178; Robert A. L. Jackson, 41090; Michelle N. Indernye to delete any attorney of assignee, attorney, firm, or English English English
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	porment, or both, under Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor: Signature: Inventor: Residence: (city) Pastentand: (city) Post Office Address: (Zip Code) Inventor: Residence: (city) Post Office Address: (Zip Code)	thereon. And on behalf of the 4714, telephone number (14714, telephone number (14714, telephone number number (14714, telephone number n	he owner(s) hereof. I hereby appoint NII 703) 816-4000 (to whom all communic ectively owner's/owners' attomeys to pri I with the resulting patent: Arthur R. Cre ris, 31352; Richard G. Besha, 22770; M nard C. Mitchard, 29009; Duanc M. Bye 205; Mary J. Wilson, 32955; J. Scott Da 6; Updeep S. Gill, 37334; Michael J. Sh i329; Joseph A. Rhoa, 37515. I also au olely on instructions directly communicate on behalf of the owner(s). MI 1 dg e (state/country) MI (state/country)	il false statements in KON & VANDERHY attons are to be di osecute this applica inford, 25327; Lamark E. Nusbaum, 32 rs, 33363; Jeffry H. vidson, 33489; Alan ea. 34725; Donald I thorize Nixon & Varted from the person Date: Clark last) England TELL Way, Date: mont ast)	nay jeopardize the validity of the YEP.C., 1100 North Glebe Rd irected), and the following tion and to transact all business S. Nixon, 25640; Robert A. 1348; Michael J. Keenan, 32101 Nelson, 30481; John R. Laston M. Kagen, 36178; Robert A. Lackson, 41090; Michelle N. Indernya to delete any attorney of assignee, attorney, firm, or English (citizenship) Balsham Englan
impris applic 8th Fic attorn in the Vande Bryan 33149 Molan Lester	porment, or both, under Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor: Signature: Inventor:	thereon. And on behalf of the 4714, telephone number (14714, telephone number (14714, telephone number number (14714, telephone number n	he owner(s) hereof. I hereby appoint NII 703) 816-4000 (to whom all communic ectively owner's/owners' attomeys to pro I with the resulting patent: Arthur R. Cre ris, 31352: Richard G. Besha, 22770; M rish and C. Mitchard, 29000; Duanc M. Bye 205: Mary J. Wilson, 32955; J. Scott Da 6; Updeep S. Gill, 37334; Michael J. Scott Da 6329; Joseph A. Rhoa, 37515. I also au olely on instructions directly communicate on behalf of the owner(s). MI ridge (state/country) MI ridge (state/country)	il false statements in KON & VANDERHY attons are to be di osecute this applica inford, 25327; Lamark E. Nusbaum, 32 rs, 33363; Jeffry H. vidson, 33489; Alan ea. 34725; Donald I thorize Nixon & Varted from the person Date: Clark last) England TELL Way, Date: mont ast)	nay jeopardize the validity of the YEP.C., 1100 North Glebe Rd irected), and the following tion and to transact all busines y S. Nixon, 25640; Robert A. 1348; Michael J. Keenan, 3210 Nelson, 30481; John R. Laston M. Kagen, 36178; Robert A. Lackson, 41090; Michelle N. Indernye to delete any attorney of assignee, attorney, firm, or English English

FOR ADDITIONAL INVENTORS, check box 🗵 and attach sheet with same information and signature and date for each.

(Zip Code)

SG8 6LA

RULE 63 (37 C.F.R. 1.63) ORS DECLARATION FOR PATENT APPLICATION THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A METHOD FOR MAPPI	NG THE ACTIVE SITES BO	UND BY ENZYMES THAT COVALENT	TLY MODIFY SUBST	BATE MOLECULES
the specification of which (chec	k applicable box(s)):			TO TE MOLEGOES
is attached hereto	., .,			
as filed on	April 27, 2000	as U.S. Application Senal No.	Unassigned	(Atty Dkt. No. 179-47)
was filed as PCT Internat	lonal application No.	PCT/GB98/03259	on 30 October	
and (if applicable to U.S. or PCT		on .		1990
37 C.F.R. 1.56. I hereby claim for	acknowledge the duty to dis preign priority benefits under elow any foreign application	ents of the above identified specification close information which is material to the 35 U.S.C. 119/365 of any foreign applied for patent or inventor's certificate having date of this application: Country United Kingdom	he patentability of thi	is application in accordance with or inventor's certificate listed that of the application on which Day/Month/Year Filed
		C.inco ranguom		30 October 1997
I heraby claim the benefit under Application Number	35 U.S.C. §118(e) of any Un	ited States provisional application(s) lis Date/Month/Year Filed	sted below.	
U.S.C. 12, I acknowledge the dapplications and the national or I Prior U.S.PCT Application(s): Application Serial No.	uty to disclose material infon	Day/Month/Year Filed		
PCT/GB98/03259		30 October 1998		paramy, country
mprisonment, or both, under Secapplication or any patent Issued to Floor, Arlington, VA 22201-4 attorneys thereof (of the same acon the Patent and Trademark Officandemys, 27076; James T. Horstryandemys, 27076; James T. Horstryandemys, 17. 29 40 and 1, 129834; B. J. Sadoff, 3666 Molan, 29834; B. J. Sadoff, 3666 Molan, 29834; B. J. Sadoff, 3666	trion 1001 of Title 18 of the Linercon. And on behalf of the Little 1714, telephone number (70 Idress) individually and collecte connected therewith and simer, 30184; Robert W. Farings C. Spooner, 27393; Leon. 366; Thomas E. Byrne, 32203; James D. Berguist, 34776	nowledge are true and that all statement is knowledge that willful false statement inited States Code and that such willful cowner(s) hereof, I hereby appoint ND 33) 816-4000 (to whom all communicatively owner's/owners' attorneys to prowith the resulting patent: Arthur R. Crass, 31352; Richard G. Besha, 22770; Mard C. Mitchard, 29009; Duane M. Byer 15; Mary J. Wilson, 32955; J. Scott David Updeep S. Gill, 37334; Michael J. Shidang 29: Joseph A. Bhan, 27515	s and the like so mad I false statements mad (CON & VANDERHYE ations are to be dire issecute this application (wford, 25327; Larry ark E. Nusbaum, 323 rs. 33363; Jeffry H. Noridson, 33489; Alan M	de are punishable by fine or ay jeopardize the validity of the E.P.C., 1100 North Glebe Rd., ected). and the following on and to transact all business S. Nixon, 25640; Robert A. 48; Michael J. Keenan, 32106; lelson, 30481; John R. Lastove M. Kagen, 36178; Robert A.
names numbers no longer with the organization sending instruction. Inventor's Signature: Inventor:	e firm and to act and rely soltions to Nixon & Vanderhye David (first)	ely on instructions directly communication behalf of the owner(s).	thorize Nixon & Vand ted from the person, Date: Biams ast)	ernye to delete any attorney assignee, attorney, firm, or VICON
ames numbers no longer with the organization sending instruction. Inventor's Signature:	e firm and to act and rely sol tions to Nixon & Vanderhye	ely on instructions directly communical on behalf of the owner(s). Will (state/country)	thonze Nixon & Vand ted from the person, Date: liams	erriye to delete any attorney assignee, attorney, firm, or